

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1-3 (Cancelled Herein)

4. (Currently Amended) ~~The material composition of claim 2 having specific formula  $(\text{Ba}_{0.95}\text{Fe}_{0.05})\text{TiO}_3$ , wherein said saturation magnetization about  $0.10 \text{ B/mol Fe}$  at 300K, and the coercive fields about 16Oe at 300K.~~ A ferromagnetic perovskite oxide having the formula  $(\text{Ba}_{0.95}\text{Fe}_{0.05})\text{TiO}_3$ , wherein the oxide has a saturation magnetization of about  $0.10 \mu_B/\text{mol Fe}$  at 300K, and a coercive field of about 16 Oe at 300K.

5. (Currently Amended) ~~The material composition of claim 2 having specific formula  $(\text{Ca}_{0.95}\text{Fe}_{0.05})\text{TiO}_3$ , wherein said saturation magnetization about  $0.11 \text{ B/mol Fe}$  at 300K, and the coercive fields about 12Oe at 300K.~~ A ferromagnetic perovskite oxide having the formula  $(\text{Ca}_{0.95}\text{Fe}_{0.05})\text{TiO}_3$ , wherein the oxide has a saturation magnetization of about  $0.11 \mu_B/\text{mol Fe}$  at 300K, and a coercive field of about 12 Oe at 300K.

6. (Currently Amended) ~~The material composition of claim 2 having specific formula  $(\text{Ba}_{0.95}\text{Fe}_{0.05})\text{ZrO}_3$ , wherein said saturation magnetization about  $0.11 \text{ B/mol Fe}$  at 300K, and the coercive fields about 25Oe at 300K.~~ A ferromagnetic perovskite oxide having the formula  $(\text{Ba}_{0.95}\text{Fe}_{0.05})\text{ZrO}_3$ , wherein the oxide has a saturation magnetization of about  $0.11 \mu_B/\text{mol Fe}$  at 300K, and a coercive field of about 25 Oe at 300K.

7. (Currently Amended) ~~The material composition of claim 2 having specific formula  $(\text{Ca}_{0.95}\text{Fe}_{0.05})\text{ZrO}_3$ , wherein said saturation magnetization about 0.12 B/mol Fe at 300K, and the coercive fields about 4.5 Oe at 300K.~~ A ferromagnetic perovskite oxide having the formula  $(\text{Ca}_{0.95}\text{Fe}_{0.05})\text{ZrO}_3$ , wherein the oxide has a saturation magnetization of about 0.12  $\mu_B$ /mol Fe at 300K, and a coercive field of about 4.5 Oe at 300K.

8. (Currently Amended) ~~The material composition of claim 2 having specific formula  $(\text{Ba}_{0.95}\text{Fe}_{0.05})\text{HfO}_3$ , wherein said saturation magnetization about 0.125 B/mol Fe at 300K, and the coercive fields about 20 Oe at 300K.~~ A ferromagnetic perovskite oxide having the formula  $(\text{Ba}_{0.95}\text{Fe}_{0.05})\text{HfO}_3$ , wherein the oxide has a saturation magnetization of about 0.125  $\mu_B$ /mol Fe at 300K, and a coercive field of about 20 Oe at 300K.

9. (Currently Amended) The material composition of claim 2 having specific formula  $(\text{Ca}_{0.95}\text{Fe}_{0.05})\text{HfO}_3$ , wherein said saturation magnetization about 0.12 B/mol Fe at 300K, and the coercive fields about 7 Oe at 300K. A ferromagnetic perovskite oxide having the formula  $(\text{Ca}_{0.95}\text{Fe}_{0.05})\text{HfO}_3$ , wherein the oxide has a saturation magnetization of about 0.12  $\mu_B$ /mol Fe at 300K, and a coercive field of about 7 Oe at 300K.

11.-14. (Cancelled Herein)

15. (Currently Amended) ~~The material composition of claim 13 having specific formula  $\text{La}(\text{Mo}_{0.25}\text{Fe}_{0.75})\text{O}_3$ , wherein said magnetic Curie temperature is 940K, and the coercive fields about 238 Oe at 300K.~~ A ferromagnetic perovskite oxide having the formula  $\text{La}(\text{Mo}_{0.25}\text{Fe}_{0.75})\text{O}_3$ , wherein the magnetic Curie temperature of the oxide is as high as 940 K, and wherein the oxide has a coercive field of about 238 Oe at 300K.

16.-18. (Cancelled Herein)

19. (New) A ferromagnetic perovskite oxide having the formula  $(\text{Ba}_{1-x}\text{Fe}_x)\text{TiO}_3$ , where x ranges from 0 to 0.15, and wherein the oxide has a saturation magnetization of about  $0.10 \mu_B/\text{mol Fe}$  at 300K, and a coercive field of about 16 Oe at 300K.

20. (New) A ferromagnetic perovskite oxide having the formula  $(\text{Ca}_{1-x}\text{Fe}_x)\text{TiO}_3$ , where x ranges from 0 to 0.15, and wherein the oxide has a saturation magnetization of about  $0.11 \mu_B/\text{mol Fe}$  at 300K, and a coercive field of about 12 Oe at 300K.

21. (New) A ferromagnetic perovskite oxide having the formula  $(\text{Ba}_{1-x}\text{Fe}_x)\text{ZrO}_3$ , where x ranges from 0 to 0.15, and wherein the oxide has a saturation magnetization of about  $0.11 \mu_B/\text{mol Fe}$  at 300K, and a coercive field of about 25 Oe at 300K.

22. (New) A ferromagnetic perovskite oxide having the formula  $(\text{Ca}_{1-x}\text{Fe}_x)\text{ZrO}_3$ , where x ranges from 0 to 0.15, and wherein the oxide has a saturation magnetization of about  $0.12 \mu_B/\text{mol Fe}$  at 300K, and a coercive field of about 4.5 Oe at 300K.

23. (New) A ferromagnetic perovskite oxide having the formula  $(\text{Ba}_{1-x}\text{Fe}_x)\text{HfO}_3$ , where x ranges from 0 to 0.15, and wherein the oxide has a saturation magnetization of about  $0.125 \mu_B/\text{mol Fe}$  at 300K, and a coercive field of about 20 Oe at 300K.

24. (New) A ferromagnetic perovskite oxide having the formula  $(\text{Ca}_{1-x}\text{Fe}_x)\text{HfO}_3$ , where x ranges from 0 to 0.15, and wherein the oxide has a saturation magnetization of about  $0.12 \mu_B/\text{mol Fe}$  at 300K, and a coercive field of about 7 Oe at 300K.

Attorney's Docket No. 1034172-000017

Application No. 10/829,590

Page 9